PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	HHH	000000000 000000000 0000000000 000 000 000 000	NNN NNN NNN NNN NNN NNN NNN NNN NNN NN	
----------------------------------------	-----------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------	--

_\$2

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	HH H	000000 00 00 00 00	NN	
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$		

Benn Schreiber

8-Dec-1983

89012345678901234567890123456789012345678901234567

0054

0056

Modified By:

V03-004 BLS0251

V

PHONE V04-000	PHONE - VAX/VMS	Telephone Facility	D 11 16-Sep-1984 02:15:58 14-Sep-1984 12:53:28	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1 (1)
: 58 : 59 : 60	0058 1 ! 0059 1 ! 0060 1 !	Increase size of extra overhead ch \$TRNLNM.	mailbox name buffer to accou aracters added. Convert \$TR	nt for NLOG to
58 59 60 61 62 63 64 65 66 67 68 70 71	0059 1 0060 1 0061 1 0062 1 0063 1 0064 1 0065 1 0066 1 0067 1 0068 1 0069 1 0069 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 0070 1 007	V03-003 PCA1004 PASSIGN no longer a mailbox that do	aul C. Anagnostopoulos 8-No returns SS\$_IVDEVNAM when a esn't exist. It now returns	v-1982 ssigning to SS\$_NOSUCHDEV.
66	0066 1 1 0067 1 1	V03-002 PCA1000 Remove all refere	Paul C. Anagnostopoulos 5-Oc ences to CLISEND_PARSE, which	t-1982 is now obsolete.
69 70 71	0069 1 0070 1 0071 1	V03-001 PCA0045 Major changes to	aul Anagnostopoulos 26-Ma convert from process name to	r-1982 user name.

```
E 11
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
PHONE
V04-000
                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [PHONE.SRC]PHONE.B32;1
                               PHONE - VAX/VMS Telephone Facility
                               Module Declarations
                                             %sbttl 'Module Declarations'
                              Libraries and Requires:
                                             library 'sys$library:starlet.l32';
literal global_data = 1;
require 'phonereq';
                                                                                                                              To suppress generation of external
                                                                                                                              data declarations.
                                                 Table of Contents:
                                             forward routine
                                                             phn$phone: novalue,
                                                             phn$init_main: novalue,
phn$dcl_command_line: novalue,
phn$queue_smb: novalue,
phn$kill_smb: novalue,
phn$prepare_users_target: novalue;
                                                 External References:
                                             external routine
                                                             cli$get_value: addressing_mode(general),
cli$present: addressing_mode(general),
lib$free_vm: addressing_mode(general),
lib$get_vm: addressing_mode(general),
ots$cvt_ti_l: addressing_mode(general),
                                                             phn$answered.
                                                             phn$busy,
phn$cmd_parse,
phn$exit_handler,
phn$facsimile2,
                                                             phn$forced_link,
                                                             phn$held,
phn$help2,
     111
112
113
                                                             phn$hungup,
phn$init_slave,
phn$init_term,
phn$inform,
     114
                                                             phn$kbd_get,
phn$kbd_route,
phn$directory2,
phn$listen,
     116
     118
119
120
121
122
123
124
125
126
127
128
129
                                                              phn$make_pub
                                                              phn$mbx_enable,
                                                             phn$mbx_name,
phn$rang_in,
phn$rejected,
                                                             phn$ring_out, phn$talk,
                                                              phn$unheld,
                                                              str$trim: addressing_mode(general);
```

PHONE V04-000	PHONE - VAX/VMS Telephone Facility Module Declarations	F 11 16-Sep-1984 14-Sep-1984	02:15:58 12:53:28	VAX-11 Bliss-32 V4.0-742 Page 4 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1 (2)
: 130 : 131 : 132 : 133 : 134 : 135 : 136 : 137 : 138 : 139	0457 1 ! 0458 1 ! Own Variables: 0459 1 ! 0460 1 0461 1 ! The following is the head of the SM 0462 1 ! by this module. 0463 1 0464 1 own 0465 1 smb_queue_head: vector[2,long 0466 1 initial(rep 2			nipulated

```
G 11
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
PHONE
V04-000
                 PHONE - VAX/VMS Telephone Facility Module Declarations
                                                                                                 VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
                                                                                                                                         Page
  1423456789
1423456789
15556789
166789
                 Global Variables:
                            The following declarations constitute all the global data for the facility.
                          ! First we declare a buffer to hold our DECnet node name:
                          global
                                   own_described_buffer(phn$gq_node_name,9);
                          ! Next we declare the variables that will contain the command qualifiers:
                          global
                                   own_described_buffer(phn$gq_switch_hook,1),
phn$gl_viewport_size: long,
phn$gb_scroll: byte;
                          ! Now we declare the head of the PUB chain.
                          global
                                   ! Finally, we have a byte of global flags necessary for controlling
                        1 ! screen dynamics.
                          global
```

```
H 11
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
PHONE
VO4-000
                  PHONE - VAX/VMS Telephone Facility PHN$PHONE - Mainline Routine
                                                                                                       VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
                                                                                                                                                 Page
                           %sbttl 'PHN$PHONE - Mainline Routine'
                  Functional Description:
                                     This is the main routine for the PHONE facility.
                              Formal Parameters:
                                     none
                              Implicit Inputs:
                                     global data
                              Implicit Outputs:
                                     global data
                              Returned Value:
                                     none
                              Side Effects:
                            global routine phn$phone: novalue = begin
                           OWN
                                     routine_table: vector[19,long] initial(
                                              phn$kbd_get,
phn$kbd_route,
                                              phn$cmd_parse,
phn$talk,
                                              phn$help2,
                                              phn$ring_out,
                                                                                    ! Network slave SMB only.
                                              phn$rang_in,
                                              phn$hungup,
                                              phn$busy,
                                              phn$answered,
                                              phn$rejected.
                                                                                    ! Network slave SMB only.
                                              phn$listen,
                                              phn$directory2,
phn$facsimile2,
                                              phn$forced_link,
                                              phn$held.
                                              phn$unheld);
                           local
                                     status: long,
trnlnmlst : $itmlst_decl(items=1),
                                     s: ref smb;
                              The very first thing we do is find out if this VAX is running DECnet, and
                              set up a global buffer with the node name, or null string if not.
                              Eliminate any underscore in the name for prettiness.
                         2 $itmlst_init(itmlst=trnlnmlst,
```

```
PHONE - VAX/VMS Telephone Facility PHN$PHONE - Mainline Routine
                                                                  16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
                                                                                          VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
PHONE
V04-000
                                                                                                                                     (4)
                0553
0554
0555
0556
0557
0558
                                 status = $trnlnm(attr=%ref(lnm$m_case_blind),
tabnam=$descriptor('LNM$SYSTEM'),
              P
              P
                                         lognam=$descriptor('SYS$NODE'),
                                         acmode=%ref(psl$c_exec),
                0560
                                         itmlst=trnlnmlst);
                0561
                if .status eqlu ss$_nolognam_then
                                 phn$gq_node_name[len] = 0
                         else (
                                 check (.status);
                                 inc (phn$gq_node_name[ptr]);
                                 ):
                        ):
                          It is possible that we have been fired up as a network slave for
                           someone on a remote node that wants to talk to someone on our node.
                           The following routine will check for this, and will never return
                         ! if it is the case.
                         phn$init_slave();
                        ! I guess not. Begin an interactive session by initializing.
                         phn$init_main();
                           This is the main processing loop. We wait for routines to put Steering
                           Message Blocks on the queue. We then remove them one by one and call
                           the specified steering message routine, passing it the message text in
                         ! the block. Whenever the queue empties, we go back to waiting.
                      3 Loop (
                                 ! Wait for an SMB to be placed on the queue. There may already be one.
                                 status = $clref(efn=phn$k_smbefn);
                                 if .status nequ ss$_wasset then (
                                         check (.status);
                                         status = $waitfr(efn=phn$k_smbefn);
                                         check (.status);
                                 );
                                   We have at least one SMB. Go into a loop removing them from the
                                 ! front of the queue. When we empty the queue, go back and wait.
                                 while not remque(.smb_queue_head[0],s) do (
                                           If the SMB type code is valid, call the appropriate
                                           steering message routine. Pass it the message text
                                           descriptor, which it can clobber.
                                         if (.s[smb_w_type] gequ 1) and
  (.s[smb_w_type] lequ %allocation(routine_table)/4) then
```

```
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [PHONE.SRC]PHONE.B32;1
PHONE
                 PHONE - VAX/VMS Telephone Facility
V04-000
                 PHNSPHONE - Mainline Routine
   285
286
288
289
291
293
294
295
296
                 0610
0611
0612
0613
0614
0615
0616
0617
0618
0619
0620
                                                   (.routine_table[.s[smb_w_type]-1]) (s[smb_q_msg])
                                          else
                                                   phn$inform(phn$_badsmb);
                                           ! Get rid of the SMB.
                                          phn$kill_smb(.s);
                                  ):
                         );
                       1 end;
                                                                               .TITLE
                                                                                       PHONE PHONE - VAX/VMS Telephone Facility
                                                                               . IDENT
                                                                                       \V04-000\
                                                                               .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                00000 P.AAB:
                                  53 59 53 24
                                                                               .ASCII
                                                   40
                                                       4E
                                                                                       \LNM$SYSTEM\
                                                                0000A
                                                                               .BLKB
                                                                0000C P.AAA:
                                                     A000000A
                                                                               .LONG
                                                                                       10
                                                     00000000
                                                                               .ADDRESS P.AAB
                                                                00010
                                                                00014 P.AAD:
0001C P.AAC:
                                                       59 53
                                              24
                                                                               .ASCII
                                                                                       \SYS$NODE\
                                                     80000008
                                                                               .LONG
                                                     00000000
                                                                00020
                                                                               .ADDRESS P.AAD
                                                                               .PSECT SOWNS.NOEXE.2
                                                     00000000' 00000 SMB_QUEUE_HEAD:
.ADDRESS SMB_QUEUE_HEAD
                                                                               ADDRESS SMB_QUEUE_HEAD
                                                     00000000 00004
.ADDRESS PHN$KBD GET, PHN$KBD ROUTE, -
PHN$CMD PARSE, PHN$TALK, PHN$HELP2, -
                                                                                       PHNSRING_OUT
                                                     00000000
                                                                               .LONG
                                                                               .ADDRESS PHN$RANG_IN, PHN$HUNGUP, PHN$BUSY, -
PHN$ANSWERED, PHN$REJECTED
           00000000
                                                                               .LONG
                                                                               .ADDRESS PHN$LISTEN, PHN$DIRECTORY2, -
PHN$FACSIMILE2, PHN$FORCED_LINK, -
PHNSHELD, PHNSUNHELD
                                                                               .PSECT $GLOBAL$, NOEXE, 2
                                                                00000 PHN$GQ_NODE_NAME::
                                                     00000009
                                                                               .ADDRESS PHN$GQ_NODE_NAME+8
                                                     00000000
                                                                80000
                                                                               .BLKB
                                                                                BLKB
                                                                00014 PHN$GQ_SWITCH_HOOK::
                                                     00000001
                                                                00018
00010
00010
                                                     00000000
                                                                               ADDRESS PHNSGQ_SWITCH_HOOK+8
                                                                               .BLKB
                                                                00020 PHN$GL_VIEWPORT_SIZE ::
```

```
K 11
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
                                         VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
                                                                                        Page
            00024 PHN$GB_SCROLL ::
                            .BLKB
            00025 BLKB 3
00000000
                            .ADDRESS PHN$GQ_PUBHEAD
.ADDRESS PHN$GQ_PUBHEAD
           0002C ADDRES
00000000
       00
                             .EXTRN
                             .EXTRN
```

PHNS_OK, PHNS_ANSWERED
PHNS_BUSYCALL, PHNS_CANCALL
PHNS_CANTREACH, PHNS_CONFCALL
PHNS_DEAD, PHNS_DECRETIINK
PHNS_DIRCAN, PHNS_HOCGED
PHNS_HELPCAN, PHNS_HUNGUP
PHNS_JUSTRANG, PHNS_LOGGEDOFF
PHNS_REJECTED, PHNS_RING
PHNS_SENDINGMAIL
PHNS_BADCMD, PHNS_BADHELP
PHNS_BADCMD, PHNS_BADHELP
PHNS_BADCMD, PHNS_BADSPEC
PHNS_IVREDUNCALL
PHNS_HELPMISSING
PHNS_IVREDUNCALL
PHNS_IVREDUNCALL
PHNS_IVREDUNCALL
PHNS_NOPORTS, PHNS_NOFIV
PHNS_NOPORTS, PHNS_NOFIV
PHNS_NOPORTS, PHNS_NOPRIV
PHNS_NOPORTS, PHNS_NOPRIV
PHNS_NOPORTS, PHNS_NOPRIV
PHNS_NOPORTS, PHNS_NOPOREBUSY
PHNS_NOPORTS, PHNS_SHAREDMBX
PHNS_TARGTERM, PHNS_SHAREDMBX
PHNS_TARGTERM, PHNS_SHAREDMBX
PHNS_TARGTERM, PHNS_STAREDMBX
PHNS_TARGTERM, PHNS_STAREDMBX
PHNS_NOPORTS, PHNSEXIT_HANDLER
PHNS_NOPORTS, PHNSEXIT_HANDLER
PHNS_NOPORTS, PHNSEXIT_HANDLER
PHNS_NOPORTS, PHNSEXIT_HANDLER
PHNS_NOPORTS, PHNS_NOTORED_LINK
PHNS_NOPORTS, PHNS_NOTORE .EXTRN .EXTRN .EXTRN .EXTRN .EXTRN EXTRN EXTRN .EXTRN .EXTRN .EXTRN EXTRN EXTRN EXTRN EXTRN .EXTRN .EXTRN .EXTRN

.PSECT \$CODE\$, NOWRT, 2

55 00000000 00 9E 00002 54 0000 CF 9E 00009 .ENTRY MOVAB 0000 MOVAB

0518

PHN\$PHONE, Save R2,R3,R4,R5 LIB\$SIGNAL, R5 PHN\$GQ_NODE_NAME, R4

PHONE V04-000	PHONE - VAX/VMS Telepho PHN\$PHONE - Mainline Ro	one facility outine			16-Sep- 14-Sep-	1984 02:15 1984 12:53	3:58 VAX-11 Bliss-32 V4.0-742 Pa B:28 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1	ge 10
		5E 50 80 80 80 80 04	18E422440E1EFFFE50344443314544400310	CE 800 B00 B09 D4	0000E 00011 00015 00018 0001F 00022 00024 00027 00028 0003E 0003E 00048 00048 00048 00058 00058 00058 00058 00058	SUBL 2 MOVAB MOVW MOVL MOVAB	#24, SP TRNLNMLST, \$\$ITMBLKPTR PHN\$GQ_NODE_NAME, (\$\$ITMBLKPTR)+ #2, (\$\$ITMBEKPTR)+ PHN\$GQ_NODE_NAME+4, (\$\$ITMBLKPTR)+ PHN\$GQ_NODE_NAME, (\$\$ITMBLKPTR)+ (\$\$ITMBEKPTR)+ TRNLNMLST #1, 8(SP) 8(SP) P.AAC P.AAA #33554432, 16(SP)	0554
	08	AE 02000000	AE OE CF	9F 9F 9F	00024 00027 0002B 0002E 00032	CLRL PUSHAB MOVL PUSHAB PUSHAB MOVL PUSHAB	TRNLNMLST #1, 8(SP) 8(SP) P.AAC	0560
	10 00000000G	AE 02000000 10 00 53	8F AE 05	00 9F 9F 00 9F D0 FB	00036 0003E 00041	MOVL PUSHAB CALLS	#33554432, 16(SP) 16(SP) #5, SYS\$TRNLNM R0, STATUS STATUS, #444	
	000001BC	8F	53	D1 12	0004B	CALLS MOVL CMPL BNEQ CLRW	STÁTUS, #444	: 0562
			64	B4	00054 00056	CLRW	PHN\$GQ_NODE_NAME	0563
		05	53	E8 DD	00058 1\$: 0005B	BLBS PUSHL	STATUS, 2\$ STATUS #1, LIB\$SIGNAL	056
	5F	65 8F 04	01 B4	FB 91	0005D 00060 2\$:	CALLS	#1, LIB\$SIGNAL aPHN\$GQ_NODE_NAME+4, #95 3\$	0566
	0000G 0000V	CF CF	64 64 00 00	12 B7 D6 FB	00065 00067 00069 0006C 3\$:	BRB BLBS PUSHL CALLS CMPB BNEQ DECW INCL CALLS CALLS PUSHL	PHN\$GQ_NODE_NAME PHN\$GQ_NODE_NAME+4 #0. PHN\$INIT_SLAVE #0. PHN\$INIT_MAIN #3 #1. SYS\$CLREF	056 056 057 058 058
	000000006	00		FB DO D1	00069 0006C 3\$: 00071 00076 4\$: 00078 0007F	CALLS	STATUS, #9	0593
		05	1C 53	13 E8 DD	00085 00087 0008A	BEQL BLBS PUSHL	6\$ STATUS, 5\$ STATUS	0594
	0000000G	65 00 53 05	01 03 01	FB DD FB	0008C 0008F 5\$: 00091	MOVL CMPL BEQL BLBS PUSHL CALLS PUSHL CALLS MOVL BLBS PUSHL CALLS REMQUE RVS	#1, LIB\$SIGNAL	0595
		05	53	DO E8 DD FB OF	0009B 0009E	BLBS PUSHL	#1, SYS\$WAITFR R0, STATUS STATUS, 6\$ STATUS, 6\$ STATUS #1, LIB\$SIGNAL asmb_queue_head, s	0596
		65 0000	DF	OF 1D	000A3 6\$:	REMQUE	asmb_queue_HEAD, s	0602
		0A	A2	B5 13	AAOOO	TSTW	10(S) 7\$: 0608
		13 OA	A2	B1	000AF	CMPW	10(S), #19	0609
		09 05 65 00 53 05 65 52 0000° 0A 13 0A 50 0000° 60 CF	CF 40 A2 01	3C DO 9F FB	00032 00085 00087 00087 00086 00086 00098 00098 00098 00098 000083 000083 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 000085 00085 00085 00085 00085 00085 00085 00085 00085 00085 00085 0	BEQL CMPW BGTRU MOVZWL MOVL PUSHAB CALLS	10(S), R0 ROUTINE_TABLE-4[RO], R0 12(S) #1, (RO) 8\$	0611
		000000000	OB 8F	DD FB	000C5 000C7 7\$:	BRB PUSHL	#PHN→ BAUSMB	0613
	0000G	CF	01 52	FB	000CD 000D2 8\$:	PUSHL	#1, PANSINFORM	: 0617

PHONE VO4-000

PHONE - VAX/VMS Telephone Facility PHN\$PHONE - Mainline Routine

M 11 16-Sep-1984 02:15:58 14-Sep-1984 12:53:28

VAX-11 Bliss-32 V4.0-742 Page 11 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1 (4)

0000V CF

01 FB 000D4 C8 11 000D9

CALLS #1, PHN\$KILL_SMB BRB 6\$

: 0602

; Routine Size: 219 bytes, Routine Base: \$CODE\$ + 0000

```
N 11
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
                PHONE - VAX/VMS Telephone Facility
PHN$INIT_MAIN - Initialize Our Wonderfullness
                                                                                            VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [PHONE.SRC]PHONE.B32;1
PHONE
V04-000
  %sbttl 'PHN$INIT_MAIN - Initialize Our Wonderfullness'
                Functional Description:
                                 This routine is called at the very beginning of execution to initialize everything.
                           Formal Parameters:
                                 none
                           Implicit Inputs:
                                 global data
                           Implicit Outputs:
                                 global data
                           Returned Value:
                                 none
                           Side Effects:
                         global routine phn$init_main: novalue = begin
                        OWN
                                 exit_status: long,
                                 OWN
                                 own_described_buffer(user_name,12);
                        bind
                                 get_name = uplit(word(12),word(jpi$_username),
                                                    long(user_name+8),
                                                    long(user_name),
                                                    long(0));
                         local
                                 status: long,
                                 op: ref pub;
                                                                   ! Pointer to our PUB.
                         ! We begin by obtaining our user name.
                         0668
                        check (.status);
status = $waitfr(efn=phn$k_getjpiefn);
                0669
                0670
                         check (.status);
                0671
                         str$trim(user_name,user_name,user_name);
                0672
0673
                           Now we can create a PUB to represent ourselves, known as "our PUB". Our
                0674
                          PUB is always assumed to be the first one on the PUB chain.
                0675
                0676
                         status = phn$make_pub(user_name,op);
                 0677
                         check (.status);
                         op[pub_v_temporary] = false;
```

```
PHONE - VAX/VMS Telephone Facility
                                                                      16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
                                                                                                 VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
PHONE
V04-000
                 PHN$INIT MAIN - Initialize Our Wonderfullness
                       Now oth crest to begin local
   0680
                            Now we have to assign ourselves to our receive mailbox, the mailbox that
                 0681
                            other users will send us messages in. The mailbox may already have been
                 created by some other user trying to call us, so first we try to assign
                            to it.
                                   local_described_buffer(mbx_name,4+32);
                          phn$mbx_name(user_name,mbx_name);
                          status = $assign(devnam=mbx_name,
                          if (.status nequ ss$_nosuchdev)
                               and (.status negu ss$_ivdevnam) then
                                   check (.status)
                          else (
                                     Nope, our mailbox doesn't exist. Try to create a permanent mailbox with the name. Mark it for deletion so we don't leave
                                   ! crud around later.
                                   status = $crembx(prmflq=1,
                                                      chan=op[pub_w_channel],
maxmsg=phn$k_mbxsize,
                                   if .status nequ ss$_nopriv then (
                                            check (.status);
                                            status = $delmbx(chan=.op[pub_w_channel]);
                                            check (.status);
                                   ) else (
                                              Too bad, we don't have the privilege to create a permanent
                                              mailbox. Try to create a temporary one so the guy can at
                                              least talk to him/herself.
                                            status = $crembx(prmflg=0,
                                                               chan=op[pub_w_channel], maxmsg=phn$k_mbxsize,
                                                               lognam=mbx_name);
                                            check (.status):
                        4322222
                                   ):
                          end:
                            Now we can enable our mailbox, allowing an AST to be delivered when someone
                          ! sends us a message. There may already be a message waiting.
                          phn$mbx_enable();
                            Now we have to obtain the various goodies from the command line. This is
                            done after enabling our mailbox so any messages from other people will be
                          ! handled before any subcommand included on the PHONE command.
                          phn$dcl_command_line();
                            finally we initialize the user's terminal. This is done last so that
                            anything the user types will be handled after any subcommand included
```

PI

VC

```
C 12
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
PHONE
V04-000
                      PHONE - VAX/VMS Telephone Facility
PHN$INIT_MAIN - Initialize Our Wonderfullness
                                                                                                                          VAX-11 Bliss-32 V4.0-742 PARTICIPHONE.B32;1
                      0736
0737
0738
0739
0740
0741
0742
                              2 ! on the PHONE command.
    412
413
415
416
417
418
422
423
423
                                 status = phn$init_term();
                                check (.status);
                                ! From this point on, we want to perform some clean-up if the user exits.
                              2 status = $dclexh(desblk=exit_control_block);
2 check (.status);
                              2 return;
                      0746
0747
                      0748
                              1 end;
                                                                                                       .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                   00024 P.AAE:
                                                                                                       .WORD 12
.WORD 514
.ADDRESS USER_NAME+8
                                                                     00000000
                                                                                   00028
                                                                                                       .ADDRESS USER NAME
                                                                                   00020
                                                                                   00030
                                                                                                       .LONG
                                                                                                                 0
                                                                                                       .PSECT SOWNS, NOEXE, 2
                                                                                   00054 EXIT_STATUS:
                                                                                                        BLKB
                                                                                   00058 EXIT_CONTROL_BLOCK:
                                                                     00000000
                                                                     00000000G 0005C 00000001 00060 00000000 00064 000068
                                                                                                       .ADDRESS PHNSEXIT_HANDLER
                                                                                                       .LONG
                                                                                                        ADDRESS EXIT_STATUS
                                                                                   00068 USER_NAME:
                                                                                                       .LONG
                                                                                                       .ADDRESS USER_NAME+8
.BLKB 12
                                                                     00000000
                                                                                   00060
                                                                                   00070
                                                                                                                 SYSSETUPI, SYSSASSIGN
                                                                                           GET_NAME =
                                                                                                       .EXTRN
                                                                                                       .EXTRN
                                                                                                                 SYS$CREMBX, SYS$DELMBX
                                                                                                       .EXTRN
                                                                                                                 SYS$DCLEXH
                                                                                                       .PSECT
                                                                                                                 $CODE$, NOWRT, 2
                                                                            007C 00000
9E 00002
9E 00009
                                                                                                                                                                                  0645
                                                                                                        .ENTRY
                                                                                                                  PHN$INIT_MAIN, Save R2,R3,R4,R5,R6
                                                                                                                 SYSSCREMBX, R6
USER NAME, R5
LIBSSIGNAL, R4
                                                          00000000
                                                                                                       MOVAB
                                                                                                       MOVAB
                                                                                   0000E
00015
                                                          00000000G
                                                                          00
7E
7E
7E
7E
01
                                                                                                       MOVAB
                                                                              C2 00015
7C 00018
D4 0001A
9F 0001C
7C 00020
                                                                                                                  #48, SP
-(SP)
                                                                                                       SUBL 2
                                                                                                                                                                                  0667
                                                                                                       CLRQ
                                                                                                       CLRL
                                                                                                                  -(SP)
                                                                                                       PUSHAB
                                                                                                                 GET NAME
                                                                00000
                                                                                   00020
00022
00024
                                                                                                       CLRQ
                                                                               DD
                                                                                                       PUSHL
                                                                               FB
DO
                                                                                                                  #7. SYSSGETJPI
RO, STATUS
                                                                                                       CALLS
                                       0000000G
                                                                                   0002B
                                                                                                       MOVL
```

. ...

VC

7E

0100

CLRL

PUSHL

#256, -(SP)

V

PHONE V04-000	PHONE - VAX/VMS Teleph PHN\$INIT_MAIN - Initia	one Facil lize Our	ity Wonderful	lness	E 12 16-Sep-19 14-Sep-19	84 02:15 84 12:53	:58 VAX-11 Bliss-32 V4.0-742 Page DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1	16 (5)
	00000000000000000000000000000000000000	663 05 64 CFF CF3 05 64 05 05 64	7E70553300000555300000555501	D4 000 FB 000 D0 000 FB 000 FB 001 FB 001	EB FO 7\$: F5 8\$: F6 9\$: 005 00A 00D 112 15 10\$: 18 15 17 22 22 27 28	CLRL CALLS MOVL BLBS PUSHL CALLS CALLS MOVL BLBS PUSHL CALLS MOVL BLBS PUSHL CALLS MOVL BLBS PUSHL CALLS MOVL BLBS PUSHL CALLS	#1, LIB\$SIGNAL #0, PHN\$MBX_ENABLE #0, PHN\$DCL_COMMAND_LINE #0, PHN\$INIT_TERM R0, STATUS STATUS, 10\$ STATUS #1, LIB\$SIGNAL EXIT_CONTROL_BLOCK #1, SYS\$DCLEXH R0, STATUS STATUS, 11\$ STATUS #1, LIB\$SIGNAL	0718 0726 0732 0738 0739 0743 0744

; Routine Size: 299 bytes. Routine Base: \$CODE\$ + 00DB

```
PHONE - VAX/VMS Telephone Facility 16-Sep-1984 02:15:58
PHN$DCL_COMMAND_LINE - Get Command Line Goodies 14-Sep-1984 12:53:28
PHONE
VO4-000
                                                                                               VAX-11 Bliss-32 V4.0-742
                                                                                               DISK$VMSMASTER: [PHONE.SRC]PHONE.B32:1
                         %sbttl 'PHN$DCL_COMMAND_LINE - Get Command Line Goodies'
   Functional Description:
                                   This routine is called to 'parse the command line'. All the work
                                   has been done by DCL, but we need to use the callback mechanism
                                  to get the information.
                           Formal Parameters:
                                  none
                            Implicit Inputs:
                                  global data
                            Implicit Outputs:
                                  global data
                            Returned Value:
                                  none
                            Side Effects:
                       1
                 0771
0772
0773
0774
0775
                         global routine phn$dcl_command_line: novalue = begin
                         local
                 0776
0777
0778
                                  status: long;
                 0779
                         ! First we get the switch hook character as specified by the qualifier.
                 0780
                 0781
0782
0783
                         cli$get_value(describe('SWITCH_HOOK'),phn$gq_switch_hook);
                           Now we get the viewport size, as specified by the qualifier. We have
                 0784
0785
0786
0787
0788
0789
0790
0791
0792
0793
0794
0795
                         ! to convert the value to binary and make sure it's within the valid range.
                       3 begin
3 local
                                  local_described_buffer(size_buf,10);
                       3 cli$get_value(describe('VIEWPORT_SIZE'), size_buf);
                       3 status = ots$cvt_ti_l(size_buf,phn$gl_viewport_size,4,%b'11');
                        3 if .status eqlu ss$_normal then
                                  else
                 0796
0797
0798
0799
                                  phn$gl_viewport_size = pub_k_maxlines;
                         end:
                       2 ! Now we get the scroll flag, as specified by the qualifier.
                 0800
                 0801
                         phn$gb_scroll = cli$present(describe('SCROLL'));
                 0802
                 0803
                           Now we have to retrieve the command line tokens. If present, these
                 0804
                            make up a phone command that we are to execute first. Sit in a loop
                           and queue cmd_parse steering messages for each token.
```

```
PHONE - VAX/VMS Telephone Facility 16-Sep-1984 02:15:58
PHN$DCL_COMMAND_LINE - Get Command Line Goodies 14-Sep-1984 12:53:28
PHONE
V04-000
                                                                                                       VAX-11 Bliss-32 V4.0-742
                                                                                                       DISK$VMSMASTER: [PHONE.SRC]PHONE.B32:1
                  0806
0807
0808
   incru i from 1 to 4 do (
                   0809
                                      local
                  0810
0811
0812
0813
0814
0815
0816
0816
0817
0818
0823
0823
0823
0823
0823
0823
0823
                                               local_described_buffer(token_buf,80);
                                     [1]:
[2]:
[3]:
[4]:
                                                                  describe('TOKEN2');
describe('TOKEN3');
                                                                  describe('TOKEN4');
                                                       tes)
                                                                                              token_buf);
                                     str$trim(token_buf,token_buf,token_buf);
                                     if .token_buf[len] gequ 1 then (
    phn$queue_smb(smb_cmd_parse.describe(' '));
                                               phn$queue_smb(smb__cmd_parse,token_buf);
                                     ):
                           );
                              Now we can queue a carriage return to end the command. It doesn't hurt
                            ! if there wasn't a command.
                            phn$queue_smb(smb__cmd_parse,describe(%char(ret)));
                  0830
0831
                           return;
                  0832
0833
                         1 end;
                                                                                       .PSECT $PLIT$, NOWRT, NOEXE, 2
                                     5F
                                          48
                                              43 54
                                                       49
                                                            57 53
                                                                      00034 P.AAG:
                                                                                                \SWITCH_HOOK\
                                                                                       .ASCII
                                                                      0003F
                                                                                       .BLKB
                                                                      00040 P.AAF:
                                                           0000000B
                                                                                       .LONG
                                                           00000000
                                                                      00044
                                                                                       .ADDRESS P.AAG
                                                                      00048 P.AAI:
                  49
                       53
                                              50
                                                  57 45 49 56
                           5F
                                54
                                     52
                                          4F
                                                                                       .ASCII \VIEWPORT_SIZE\
                                                                                       .BLKB
                                                           0000000D
                                                                      00058 P.AAH:
                                                                                       .LONG
                                                       52 43 53
                                                                                       .ADDRESS P.AAI
                                                                      00060 P.AAK:
                                              40
                                                   4F
                                                                                       .ASCII
                                                                                               \SCROLL\
                                                                       00066
                                                                                       .BLKB
                                                          00000000
                                                                       00068 P.AAJ:
                                                                                       .LONG
                                                                                       .ADDRESS P.AAK
                                                            4F
                                                                       00070 P.AAM:
                                          31
                                               4E
                                                   45
                                                       4B
                                                                                       .ASCII \TOKEN1\
                                                                      00076
00078 P.AAL:
                                                                                       .BLKB
                                                          00000000
                                                                                       .LONG
                                                                                       .ADDRESS P.AAM
                                                   45
                                                                       00080 P.AAO:
                                               4E
                                                       4B
                                                            4F
                                                                                       .ASCII \TOKEN2\
                                                                      00086
00088 P.AAN:
                                                                                       .BLKB
                                                          00000000
                                                                                       .LONG
                                                                      0008C
00090
                                                                                       .ADDRESS P.AAO
                                              4E
                                                   45
                                                        4B
                                                                             P.AAQ:
                                                                                       .ASCII \TOKEN3\
                                                                                       .BLKB
                                                          000000000
                                                                       00098
                                                                             P.AAP:
                                                                                       .LONG
                                                                      00090
                                                                                       .ADDRESS P.AAQ
```

00077 5\$:

00086 6\$:

00080

AE 5E 52

0008

DD

04

0014

001A

AE

000E

MOVB

MOVL

MOVZBL

MOVAB

PUSHL

CASEL

. WORD

7\$-65.-

#1, I #80, TOKEN_BUF TOKEN_BUF+8, TOKEN_BUF+4

0807

0810

PHONE V04-000	PHONE - VAX/VMS Telepho PHN\$DCL_COMMAND_LINE -	one facility Get Command	I 12 16-Sep-1984 02:15:58 VAX-11 Bliss-32 V4.0-742 P I Line Goodies 14-Sep-1984 12:53:28 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1	age 20 (6)
PHONE V04-000	PHONE - VAX/VMS Telephi PHN\$DCL_COMMAND_LINE -	50 38 50 48 50 58 50 68 64 00 74 66 66 04 0080	8\$-6\$,- 9\$-6\$,- 10\$-6\$ 10 11 00092 BRB 11\$ 3 A3 9E 00094 8\$: MOVAB P.AAN, RO 10 11 00098 BRB 11\$ 3 A3 9E 00094 9\$: MOVAB P.AAP, RO 3 A3 9E 0009A 9\$: MOVAB P.AAP, RO 4 11 0009E BRB 11\$ 50 DD 000A4 11\$: MOVAB P.AAR, RO 50 DD 000A4 11\$: PUSHL RO 50 DD 000A4 11\$: PUSHL RO 50 DD 000AB PUSHL SP 50 DD 000AB PUSHAB TOKEN_BUF 55E DD 000AB PUSHAB TOKEN_BUF 6 AE 9F 000AB PUSHAB TOKEN_BUF 6 AE 9F 000AB PUSHAB TOKEN_BUF 6 AA 9F 000BC PUSHAB TOKEN_BUF 6 A3 9F 000BC PUSHAB TOKEN_BUF 6 A3 9F 000BC PUSHAB P.AAT 6 A3 9F 000BC PUSHAB P.AAT 6 A3 9F 000BC PUSHAB P.AAT 7 PUSHA P.AAT 7 PUSHA P.AAT 8 PUSHA P.AAT 9 PUSHA P.AAT	0813 0813 0814 0815 0816 0812 0818 0820 0821 0822
		66	02 FB 000D8 CALLS #2, PHN\$QUEUE_SMB 04 000DB RET	1

; Routine Size: 220 bytes, Routine Base: \$CODE\$ + 0206

```
PHONE - VAX/VMS Telephone Facility 16-Sep-1984 02:15:58 PHN$QUEUE_SMB - Queue a Steering Message Block 14-Sep-1984 12:53:28
PHONE
VO4-000
                                                                                                       VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
                            %sbttl 'PHN$QUEUE_SMB - Queue a Steering Message Block'
   Functional Description:
                                     This routine is called to create a Steering Message Block and
                                     queue in onto the SMB queue.
                              Formal Parameters:
                                                        The type code for the SMB.
                                     type
                                                        Address of descriptor of optional message text.
                                     text
                              Implicit Inputs:
                                     global data
                              Implicit Outputs:
                                     global data
                              Returned Value:
                                     none
                              Side Effects:
                           global routine phn$queue_smb(type,text): novalue = begin
                           bind
                                     text_dsc = .text: descriptor;
                           local
                                     status: long,
                                     smb_size: long,
                                     s: ref smb;
                           builtin
                                     nullparameter:
                              We begin by calculating the total size of the SMB and allocating
                            ! memory for it.
                            smb_size = smb_k_size + (if nullparameter(2) then 0
                                                                        else .text_dsc[len]);
                           status = lib$get_vm(smb_size,s);
check (.status);
                              Now we fill in the new SMB with its length, the message type code, and the message text. We also build a descriptor for the message text.
                            s[smb_w_length] = .smb_size;
                            s[smb_w_type] = .type;
                            begin
                            bind
                                     smb_msg_dsc = s[smb_q_msg]: descriptor;
                            if nullparameter(2) then
                                     smb_msg_dsc[len] = 0
```

								.EXTRN	SYS\$SETEF	
			5E 58 02	08	03F 08 C AC D 6C 9	2 00002 0 00005 1 00009		.ENTRY SUBL2 MOVL CMPB BLSSU	PHN\$QUEUE_SMB, Save R2,R3,R4,R5,R6,R7,R8,R9 #8, SP TEXT, R8 (AP), #2	0858 0861 0875
				08	AC D 04 17 50 D	0000E 00011 00013	15:	TSTL BNEQ CLRL BRB MOVZWL MOVAB PUSHLA	8(AP) 2\$ R0 3\$ (R8), R0	
		04	50 AE	14	68 3 AO 9	00017 0001A	2\$: 3\$:	MOVZWL MOVAB	(R8), R0 20(R0), SMB_SIZE	0876 0875 0877
		0000000G	00	08	03 1 68 3 A0 9 5E DI AE 9 02 FI	0001F 00021 00024		PUSHAB CALLS	20(RÓ), SMB_SIZE SP SMB_SIZE #2. LIB\$GET VM	0877
			00 59 09		50 DO 59 E	0002B 0002E		MOVL BLBS	#2, LIB\$GET_VM RO, STATUS STATUS, 4\$ STATUS	0878
		0000000G	00 57		01 FI	00033 0003A	45:	CALLS	#1, LIB\$SIGNAL S, R7	0883
		08 0A	A7 A7 56 02	04 04 00	680 910 910 910 910 910 910 910 910 910 91	00015 00017 00017 00017 00021 00021 00028 00028 00033 00033 00033 00047 00047 00047 00067 00067 00067		PUSHAB CALLS MOVL BLBS PUSHL CALLS MOVW MOVW MOVW MOVAB CMPB BLSSU TSTL BNEQ CLRW	#1, LIB\$SIGNAL S, R7 SMB_SIZE, 8(R7) TYPE, 10(R7) 12(R7), R6 (AP), #2 5\$	0884 0887 0889
				08	AC D	0004E 00050 00053	5\$:	TSTL BNEQ	8(AP) 6\$ (R6)	0890
14	A7	04	B8 66		0E 1	00057	6\$:	BRB MOVC3	/\$	
		04	66 A6	14	68 B	0005F 00062	7\$:	MOVW MOVAB	(R8), a4(R8), 20(R7) (R8), (R6) 20(R7), 4(R6) R0	0892 0893 0894 0902
		0000	DF		67 0	00069 0006E		CLRL INSQUE BNEQ	(R7), aSMB_QUEUE_HEAD+4	

PHONE V04-000	PHONE - VAX/VMS Teleph PHN\$QUEUE_SMB - Queue	none Facility a Steering Me	ssage	Blo	ck 1	6-Sep-198 4-Sep-198	4 02:15	5:58 3:28	VAX-11 Bliss-32 V4.0-742 Pag DISK\$VMSMASTER: [PHONE.SRC]PHONE.B32:1	e (?
		59 01	50 50 59	D6 D0 D1 12	00070 00072 00075 00078	8\$:	INCL MOVL CMPL BNEQ PUSHL CALLS RET	RO RO, S1 STATUS 9\$ #3 #1, S1	TATUS S, #1	0903
	0000000G	00	09 03 01	DD FB 04	0007A	9\$:	PUSHL CALLS RET	#3 #1, S1	YS\$SETEF	0904

; Routine Size: 132 bytes, Routine Base: \$CODE\$ + 02E2

```
M 12
16-Sep-1984 02:15:58
14-Sep-1984 12:53:28
PHONE
VO4-000
                                                                                                                              VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [PHONE.SRC]PHONE.B32;1
                       PHONE - VAX/VMS Telephone facility PHN$KILL_SMB - Kill an Obsolete SMB
                                  %sbttl 'PHN$KILL_SMB - Kill an Obsolete SMB'
    09111234567890009911234567890009933345678909944456789
                                     Functional Description:
This routine is called to deallocate an obsolete Steering
                                              Message Block.
                                     Formal Parameters:
                                                                     Address of the obsolete SMB.
                                              obsolete_smb
                                     Implicit Inputs:
                                              global data
                                     Implicit Outputs:
                                              global data
                                     Returned Value:
                                              none
                                     Side Effects:
   global routine phn$kill_smb(obsolete_smb): novalue = begin
                                  bind
                                              os = .obsolete_smb: smb;
                                  local
                                              status: long,
                                              smb_size: long;
                                  ! All we have to do is get the length of the SMB and deallocate it.
                                  smb_size = .os[smb_w_length];
status = lib$free_vm(smb_size.obsolete_smb);
                                  check (.status);
                                  return;
                                  end:
                                                                                                                     PHN$KILL_SMB, Save nothing
OBSOLETE_SMB, RO
8(RO), SMB_SIZE
OBSOLETE_SMB
SMB_SIZE
#2, LIB$FREE_VM
STATUS, 1$
                                                                                                                                                                                        0932
0935
0944
                                                                               0000 00000
                                                                                                           ENTRY
                                                                                                          MOVZWL
PUSHAB
PUSHAB
                                                        50
7E
                                                                                      00002
                                                                            AC AC AC SO 50 01
                                                                                       00006
                                                                                  9F FB ED
                                                                                      0000A
                                                                                      00000
                                                                                                          CALLS
                                                                                      00010
                                         0000000G
                                                                                      00017
0001A
                                                                                                                                                                                        0946
                                                                                                           PUSHL
                                                                                                                      STATUS
```

0001C 00023 1\$:

0000000G

CALLS

#1, LIB\$SIGNAL

P

PHONE V04-000

PHONE - VAX/VMS Telephone Facility PHN\$KILL_SMB - Kill an Obsolete SMB

N 12 16-Sep-1984 02:15:58 VAX-11 Bliss-32 V4.0-742 Page 25 14-Sep-1984 12:53:28 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1 (8)

; Routine Size: 36 bytes, Routine Base: \$CODE\$ + 0366

```
PHONE
                 PHONE - VAX/VMS Telephone Facility
                 PHONE - VAX/VMS Telephone facility 16-Sep-1984 02:15:58 ANL$PREPARE_USERS_TARGET - Prepare Target Enter 14-Sep-1984 12:53:28
                                                                                              VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                              DISK$VMSMASTER: [PHONE.SRC]PHONE.B32:1
                       1 %sbttl 'ANL$PREPARE_USERS_TARGET - Prepare Target Entered by User'
  630
631
6333
6334
6337
6339
6441
6443
                 0951
                 0952
0953
                           Functional Description:
                                  This routine is called to prepare a target entered by the user.
                 0954
                                  It performs a logical name translation in case the user entered
                 0955
                                  a logical name. It also handles node names without the double colon.
                 0956
0957
                           Formal Parameters:
                 0958
                                                   Address of descriptor of user's target.
A flag, true if target is just a node name.
                                  users
                 0959
                                  just_node
                 0960
                                  final
                                                   Address of descriptor of buffer to receive final
                 0961
                                                   target. We set the length.
                 0962
                            Implicit Inputs:
                 0964
                                  global data
                 0965
                 0966
                            Implicit Outputs:
                 0967
                                  global data
                 0968
  649
                 0969
                           Returned Value:
                 0970
                                  none
   651
                 0971
  652
                 0972
0973
                           Side Effects:
                0974
0975
   654
   655
                0976
0977
  656
                         global routine phn$prepare_users_target(users,just_node,final): novalue = begin
                0978
0979
   658
  659
                         bind
                 0980
   660
                                  users_dsc = .users: descriptor,
                 0981
   661
                                  final_dsc = .final: descriptor;
                0982
0983
   662
   663
                         local
   664
                 0984
                                  status: long;
                 0985
   665
                0986
0987
  666
  667
                         ! First we try translating the user's target as if it were a logical name.
                         ! If that fails, we just move the target into the final buffer.
                 0988
   668
                 0989
   669
  670
                         status = $trnlog(lognam=users_dsc,
rsllen=final_dsc[len],
rslbuf=final_dsc);
                0990
                0991
  671
  672
673
                 0992
                         0993
  674
                 0994
                 0995
  676
                 0996
                         ) else
                 0997
                                  check (.status):
                 0998
  678
  679
                 0999
                         ! Now if this is supposed to be just a node name, the double colon is
                         ! optional. Add it if we need to.
   680
   681
                 1001
                       682
                 1002
  684
                 1004
                 1005
  686
                 1006
                                  );
```

VO

PHONE V04-000 : 687 : 688 : 689 : 690	1007 2 1008 2 1009 2	VAX/VI PARE_U	MS Teleph SERS_TARG	one Fa	cility repare	Targe	et E	10 nter 14	13 5-Sep-19 4-Sep-19	84 02:15 84 12:53	5:58 VAX-11 Bliss-32 V4.0-742 B:28 DISK\$VMSMASTER:[PHONE.SRC]PHONE.B32;1	age 27 (9)
										.PSECT	\$PLIT\$,NOWRT,NOEXE,2	
						3A 3A	3A 3A	80008 0000A	P.AAX: P.AAY:	.ASCII	\::\ \::\	1
										.EXTRN	SYS\$TRNLOG	
										.PSECT	\$CODE\$,NOWRT,2	
						(007C	00000		.ENTRY	PHN\$PREPARE_USERS_TARGET, Save R2,R3,R4,R5,	-: 0977
	,			52 56	04 00	AC 7E 7E 56 8F 06 50	00 70 04 00 88	00006		MOVL MOVL CLRQ CLRL PUSHL PUSHR	USERS, R2 FINAL, R6 -(SP) -(SP) R6	0980 0981 0992
		0	0000000G 0000154	00 8F	0044	06 50	FB D1	0000C 0000E 00010 00014 0001B 00022		CALLS	#^M <r2,r6> #6, SYS\$TRNLOG STATUS, #340</r2,r6>	0993
	04	B6 0	04 0000000G	66 B2 09 00 1B	08	0B 622 0C 500 501 AC 667	120 28 11 E8 DF E95	00024 00027 0002D 0002F 00032 00034	1\$: 2\$:	MOVW MOVC3 BRB BLBS PUSHL CALLS BLBC TSTW	1\$ (R2), (R6) (R2), @4(R2), @4(R6) 2\$ STATUS, 2\$ STATUS #1, LIB\$SIGNAL JUST_NODE, 3\$	0994 0995 0993 0997
			0000	50 50 CF 60 66	04 FE 0000'	17 66 A6 A0 08 CF 02	13 CO B1 13 B0 A0 04		3\$:	BEQL MOVZWL ADDL2 CMPW BEQL MOVW ADDW2 RET	3\$ (R6), R0 4(R6), R0 -2(R0), P.AAX 3\$ P.AAY, (R0) #2, (R6)	1003 1004 1005 1010

: 691 : 692 1011 1 1012 0 end eludom

.EXTRN LIB\$SIGNAL

PU

PSECT SUMMARY

```
PHONE - VAX/VMS Telephone facility 16-Sep-1984 02:15:58 ANL$PREPARE_USERS_TARGET - Prepare Target Enter 14-Sep-1984 12:53:28
                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PHONE.SRC]PHONE.B32;1
PHONE
V04-000
             Name
                                                                                                            Attributes
                                                                         NOVEC, WRT, RD , NOEXE, NOSHR, NOVEC, WRT, RD , NOEXE, NOSHR, NOVEC, NOWRT, RD , NOEXE, NOSHR, NOVEC, NOWRT, RD , EXE, NOSHR,
                                                                                                                               LCL, REL,
LCL, REL,
LCL, REL,
LCL, REL,
                                                                                                                                                     CON, NOPIC, ALIGN(2)
CON, NOPIC, ALIGN(2)
CON, NOPIC, ALIGN(2)
CON, NOPIC, ALIGN(2)
     SOWNS
     $GLOBAL$
     SPLITS
    $CODE$
                                                      Library Statistics
                                                                             ----- Symbols -----
                                                                                                                                  Pages
                                                                                                                                                       Processing
             File
                                                                             Total
                                                                                            Loaded Percent
                                                                                                                                  Mapped
                                                                                                                                                       Time
     $255$DUA28:[SYSLIB]STARLET.L32;1
                                                                              9776
                                                                                                   35
                                                                                                                                    581
                                                                                                                                                          00:00.7
```

V(

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COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: PHONE/OBJ=OBJ\$: PHONE MSRC\$: PHONE/UPDATE=(ENH\$: PHONE)

; Size: 997 code + 377 data bytes ; Run Time: 00:14.9 ; Elapsed Time: 00:59.4 ; Lines/CPU Min: 4077 ; Lexemes/CPU-Min: 33215 ; Memory Used: 156 pages ; Compilation Complete 0305 AH-BT13A-SE

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